wherein the step of classifying the second image includes classifying the second image into regions of interest employing parameters from the database for pixel processing and classifying the second image into regions of interest employing parameters from the database for subimage processing.

24. (Withdrawn) The computer method for image analysis of claim 23 further including the step of transmitting the regions of interest obtained from subimage processing for laser capture microdissection.

25. (Withdrawn) The computer method for image analysis of claim 19 wherein the step of selecting a level of abstraction includes selecting object processing.

26. (Withdrawn) The computer method for image analysis of claim 25 wherein the step of classifying the first image includes classifying the first image into regions of interest employing parameters from the database for pixel processing and classifying the first image into regions of interest employing parameters from the database for subimage processing and classifying the first image into regions of interest employing parameters from the database for object processing; and wherein the step of classifying the second image includes classifying the second image into regions of interest employing parameters from the database for pixel processing and classifying the second image into regions of interest employing parameters from the database for subimage processing and classifying the second image into regions of interest employing parameters from the database for object processing.

27. (Withdrawn) The computer method for image analysis of claim 26 further including the step of transmitting the regions of interest obtained from object processing for laser capture microdissection.